

**REQUEST FOR REVIEW
before the
FEDERAL COMMUNICATIONS COMMISSION**

CC Docket No. 02-6

**Re: Applicant Name: NORTHWEST ARCTIC BOROUGH
SCHOOL DISTRICT**

**Billed Entity No: 145645
Funding Year: 2007-2008
Form 471 Application No.: 569600
Funding Request Number: 1572016**

**EXHIBITS A & B TO
NORTHWEST ARCTIC BOROUGH SCHOOL DISTRICT'S
REQUEST FOR REVIEW DATED JUNE 7, 2012,
PREVIOUSLY AND SEPARATELY ELECTRONICALLY FILED**

**LAW OFFICES OF
JERMAIN DUNNAGAN & OWENS
A PROFESSIONAL CORPORATION
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ANCHORAGE, ALASKA 99503
(907) 563-8844
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SECTION 00020 – REQUEST FOR PROPOSALS

REQUEST FOR PROPOSALS (RFP) NO: 542-01
PROJECT NUMBER: 542-01

ISSUE DATE: December 19, 2006

Sealed proposals will be received in accordance with the time schedule stated in this RFP, by the Northwest Arctic Borough School District c/o Burkhart Croft Architects, for the design and construction of a replacement K-12 school on a new undeveloped site in Noatak, Alaska. The successful Offeror shall complete the final Construction Documents and provide construction services for a new building totaling approximately 50,000 sq. ft., and associated road extension, utility extension, and related site developments. The final Drawings and Specifications to be prepared under this contract shall be based upon the Design Development documents included in this RFP, and shall comply with the District's Educational Specifications, design standards and criteria.

RECEIPT OF PROPOSALS

Sealed proposals will be received at the office of Burkhart Croft Architects, LLC, 402 D Street, Anchorage, Alaska until 11:00 am A.S.T on Friday, January 26, 2007. Proposals received at any other location or after the time fixed for submission of offers will not be considered. Proposals will be opened privately and evaluated by a Selection Committee. After selection has been made and Offerors notified, all proposals will be regarded as public information and may be reviewed by any interested person.

All data and telecommunications work and equipment work under this solicitation is anticipated to be reimbursed through a federal "e-rate" grant. This work is detailed on Drawing Sheets E5.1-E5.5 and in pertinent sections of the Technical Specifications. This work shall be identified as a separate line item in the schedule of values. All Offerors must possess a current Universal Services SPIN number. (Service Provider Identification Number). Information on obtaining a SPIN may be found at the following website: www.sl.universalservice.org.

The Northwest Arctic Borough School District reserves the right to reject any and all proposals, and to waive any informalities or irregularities in proposal procedures.

Northwest Arctic Borough School District

Project Manager

Kathy Christy
907 868-3498

DOCUMENTS:

Prospective Offerors may obtain copies of initial proposal packet documents, including current Drawings and Specifications, at the office of Burkhart Croft Architects, LLC, 402 D. Street, Anchorage, Alaska between the hours of 8 A.M. and 5 P.M. for a fee of \$250 payable to Burkhart Croft Architects. Additional documents, including design specifications and remaining design narratives, may be ordered through the Architects Office. Proposal packet documents will be mailed upon request, for additional fee of \$50, payable to Burkhart Croft Architects, LLC.

Burkhart Croft Architects, LLC

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REQUEST FOR PROPOSALS

BID SECURITY & BOND REQUIREMENTS:

A Bid Bond in the amount of five percent (5%) of the total amount of the proposed price will be required. The successful Offeror(s) shall be required to furnish a one hundred percent (100%) Performance Bond and a one hundred percent (100%) Payment Bond. See Paragraph 1.10, Bid Guarantee, of the Instructions to Offerors (Section 00100) and Paragraph 1.16, Performance and Payment Bond, of Instructions to Offerors (Section 00100) for specific requirements.

ONSITE INSPECTION:

Proposers may visit the site by making their own arrangements. It is not necessary to contact the school principal.

PRE-PROPOSAL CONFERENCE:

A Pre-Proposal Conference will be conducted on January 9, 2007, at 2:00 pm, at the office of PND, Inc., 1506 W. 36th Avenue, Anchorage. Attendance is strongly encouraged, but is not mandatory.

FORMAL SELECTION:

The selection committee's recommendation will be presented to the Northwest Arctic Borough School District Board for approval of a contract award, in accordance with this RFP, at a Board Meeting tentatively scheduled for February 9, 2007.

SEALED PROPOSALS:

The sealed proposal form and Bid Bond, and the sealed responses to criteria and preliminary schedule and cost breakdown, will be received at the place indicated in the RFP until the date and time indicated. Each of those sealed documents shall show the following on the outside of the respective envelopes:

SEALED PROPOSAL FORM AND BID BOND

NAME OF OFFEROR

Do Not Open Until Date and Time Indicated in RFP # 542-01

NOATAK K-12 REPLACEMENT SCHOOL

Project Number: 542-01

**SEALED PROPOSAL CRITERIA RESPONSE AND
PRELIMINARY SCHEDULE**

NAME OF OFFEROR

Do Not Open Until Date and Time Indicated in RFP # 542-01

NOATAK K-12 REPLACEMENT SCHOOL

Project Number: 542-01

END OF SECTION 00020

SECTION 00100 – INSTRUCTIONS TO OFFERORS

1.01 CONTRACT GENERAL DESCRIPTION

- A. The Northwest Arctic Borough School District (Owner) intends to utilize a modified design/build approach for the Noatak K-12 Replacement School project. The Contractor shall complete the final Construction Documents and provide construction services for a new building totaling approximately 50,000 sq. ft., and associated road extension, utility extension, and related site developments
- B. Funding for the design and construction of this contract is provided from a state Department of Education and Early Development grant.
- C. The design development Drawings and Specifications provided in this RFP shall form the basis of the final design and Construction Documents to be prepared by the successful Offeror. Offerors may communicate directly with the Design Team for additional details, data or clarifications to the Drawings and Specifications to clarify their price proposal. Responses that will significantly affect the project will be issued to all the listed plan holders in the form of addendums. It is the Owner's direction that the selected Contractor contract with the existing design team to complete the final design and Construction Documents. The Owner's responsibility for the design effort shall end upon award of contract and the Contractor will assume full responsibility for design and construction of the project, as related to OWNER-CONTRACTOR AGREEMENT FORM- ARTICLE 6 Contract Price. The Owner will review and approve Construction Documents prior to Notice to Proceed (NTP) with construction. Specific NTP's may be issued if appropriate for a phased construction sequence.

D. DESIGN TEAM

Burkhart Croft Architects, LLC – Architect
PND, Inc. – Civil and Structural Engineering
Hay, Zietlow, & Associates, LLC – Mechanical and Electrical Engineering
Manahan and Cleveland – Kitchen Consultant
ProFormaDesign – Interior Design

1.02 SPECIFIED DATES

- A. RFP Issued: December 19, 2006
- B. Pre-Proposal Conference: January 9, 2007
- C. Partial RFP Responses Due: January 12, 2007
- D. Full RFP Responses Due: January 26, 2007
- E. Anticipated Board Approval of Award of Contract: February 9, 2007

F. Substantial Completion: July 31, 2008

G. Final Completion: December 31, 2008

1.03 RECEIPT AND OPENING OF PROPOSALS

A. Time and Opening: Proposals shall be submitted prior to the 11:00 am A.S.T. January 26, 2007, and the exact date and time of receipt will be recorded. Late submittals will not be considered but will be held unopened until the time of award and then returned to sender, unless other disposition is requested or agreed to by the sender.

1. Responsive Offerors must provide partial responses to Section 00100 1.09 (D) Selection Criteria (only the portions listed below) to the office of Burkhart Croft Architects, LLC on or before 2 p.m. January 12, 2006. The following information shall be provided:

- a. Paragraph 1.09 D.2: The names, emails and telephone numbers of three (3) Owner's representatives who have administrated or managed contracts with Offeror. Provide original and final contract amount.
- b. Paragraph 1.09 D.4: Resumes of one page or less are required for key project staff. Include three client references for key project staff. Provide three references, with contact number,
- c. The information provided is for advance reference checks by District staff and will not be made available to the evaluation committee until the committee convenes to evaluate proposals.

B. FAX/Telegraph/Telephonic Proposals: FAX/telegraphic/telephonic proposals will not be considered. Modification by FAX or telegraph of price quotation already submitted will be considered if received prior to the time fixed in the RFP. FAX/telegraphic modifications shall not reveal the amount of the original or revised price quotation. Offeror is solely responsible for timely delivery of any modification by any means of communication.

C. Officer's Responsibility: No responsibility will attach to any officer or agent of the Owner for the premature opening of, or the failure to open a proposal not properly addressed and identified.

1.04 WITHDRAWAL OF PROPOSALS

A. Proposals may be withdrawn on written or telegraphic requests received at the office of Burkhart Croft Architects, LLC from an Offeror prior to the time specified for submittal. Proposals not withdrawn prior to the specified time may not be withdrawn for a period of sixty (60) days following the date specified for submittal.

1.05 EXAMINATION OF DRAWINGS, SPECIFICATIONS, & CONTRACT DOCUMENTS

- A. The Offeror shall review all of the proposed contract documents to ascertain all requirements of the work.
- B. For the convenience of interested prospective Offerors, a complete set of proposal documents are on file at the following locations:
 - 1. Anchorage, Alaska: Associated General Contractors 907/561-5354
The Plans Room 907/563-2029
 - 2. Fairbanks, Alaska: Associated General Contractors 907/452-1809
Fairbanks Plan Room 907/456-4703
 - 3. Seattle, Washington: FW Dodge Plans Room 206/223-0320
- C. Documents may be obtained upon the conditions set forth in the Request for Proposal.

1.06 METHOD FOR CLARIFICATION

- A. Any Offeror in doubt as to the true meaning of any part of the Drawings, Specifications or other documents may submit to Burkhart Croft Architects, a written request for an interpretation thereof. The Offeror submitting the request will be responsible for its prompt delivery not less than seven (7) working days prior to the date set for opening of proposals.
- B. Questions, which in the opinion of the Architect and NWABSD Project Manager require a reply, will be answered by issuing an addendum to all plan holders prior to the bid opening. The Owner will not be responsible for any other explanation or interpretation of the plans, specifications or other documents made or given prior to opening the proposals.

1.07 PREPARATION OF PROPOSALS

- A. Preparation and Submission: Proposals must be submitted on the forms furnished or copies thereof, and in accordance with these instructions to offerors and must be manually signed. To secure consideration, the proposal must be submitted and sealed in an envelope on which RFP identification is plainly marked on the outside. The proposal form is included in the documents.
- B. The Proposal Form, Section 00300, and the Bid Bond, Section 00610, must be sealed in an envelope separately from the responses to the selection criteria and so identified. Provide one (1) copy of the Proposal Form and the Bid Bond. Provide ten (10) copies of the Offeror's qualifications document responding to the Selection Criteria.
 - 1. The envelope is to be addressed as indicated in the Request for Proposals.

- C. Price Quotation: Each proposal shall specify a proposal sum price, typed or written in ink in both words and figures for each item called for. In case of discrepancies between the written words and figures, the written words shall govern.

1.08 PRELIMINARY SCHEDULE

- A. Each Offeror shall submit with his proposal a Preliminary Schedule, in accordance with each Offeror's own plan of design and construction, and will in so doing attest that the schedule submitted is the schedule he intends to use for the project. Such schedule is subject to future revision as necessary to accommodate developing work plans. However, if it is revised, the end dates, i.e., dates of substantial completion (beneficial occupancy), and final completion, as well as other dates directly or indirectly affecting school operation, may not be changed.
- B. Within fifteen (15) calendar days after issuance of the Notice to Proceed, the Contractor shall expand the Preliminary Schedule and submit it to the Project Manager for review and acceptance.

1.09 SELECTION PROCEDURE

- A. Offerors shall submit with their proposals a written presentation for which they are offering a proposal. A proposal shall include:
1. Proposal Form, Section 00300.
 2. Responses to each of the Selection Criteria, Section 00100, Paragraph 1.09.D.
 3. Bid Bond, Section 00610, with Power of Attorney for Surety.
 4. Preliminary Schedule, Section 00100, Paragraph 1.08.

The proposal to be not more than twenty-five (25), 8 1/2" x 11" pages (each printed side equals one (1) page) in type no smaller than ten (10) point nor greater than six (6) lines per inch which responds to each of the Selection Criteria, Section 00100, Paragraph 1.09 D. The Offeror may use larger than 8 1/2" x 11" size pages for any drawings it may wish to submit as part of the proposal responses.

The following proposal enclosures WILL NOT be counted as any of the twenty-five (25) pages.

1. Proposal Form, Section 00300.
2. Bid Guarantee, Section 00610 and Power of Attorney for Surety.
3. Preliminary Schedule

The purpose of the selection criteria is to obtain for the Owner the highest possible value for the funds to be expended on the project. Proposed price is a very important criterion, and it is weighted accordingly. The other factors deal with the value the Owner expects to receive.

- B. Organizing Offeror's presentation in the order in which the selection criteria are presented in paragraph 1.09 D here will enhance the Selection Committee's ability to understand and evaluate Offeror's proposal. Criteria not specifically addressed in Offeror's presentation will be evaluated at zero score.
- C. The Selection Committee is interested in a straightforward exposition of factual information concerning Offeror's proposal to meet the Owner's requirements for this project.
1. The Competitive Sealed Proposals will be evaluated by a five member Selection Committee. A representative of the State DEED shall serve as one of the members.
 2. Evaluation of responses to the subjective selection criteria 1-9, set forth in Section 00100, paragraph 1.09(D) results in a numerical score for each proposal. Each criterion in Section 00100, 1.09(D) has an assigned weight for this RFP which demonstrates its relative importance. The total of all weights is 100 (100%). The weight of criterion number 10 - Price Quotation is not factored into the scoring of this criteria item.
 3. Scoring of proposals will be accomplished as follows:
 4. Each Evaluator will individually read and rate each Offeror's response to each criterion described in Section 00100, paragraph 1.09(D). Ratings will be based solely on contents of proposal. Except as may be stated within any criterion description in Section 00100, paragraph 1.09(D), a rating of "0" indicates Non-responsive; "1" is the least responsive or among the least responsive; and "5" is the most responsive or among the most responsive
 5. After completion of individual ratings, the Evaluation Committee will meet to discuss proposals. Evaluators may then alter their ratings, however any changes shall be based solely on the criteria set forth in Section 00100, paragraph 1.09(D). The individual ratings for each criterion will be combined and multiplied by the assigned weight for each criterion to obtain scores. The Offeror's sealed proposal form and bid bond will not be opened until after the individual selection criteria items 1 through 9 have been scored by the committee.
 6. The sealed envelopes containing the proposal form and bid bond form will be opened, and selection criterion number 10 will be scored for each offeror. The total score for each offeror will then be determined. Proposed prices for alternates and optional items may or may not be considered in the scoring of selection criterion number 10, at the sole discretion of the Selection Committee. Itemized costs for Universal Services components already included in Base Bid and Alternate pricing will not be considered in the scoring of selection criterion number 10.
 7. The order of ratings shall be established with the highest scored offeror rated first, next highest scored second, etcetera.
 8. The maximum score obtainable for any proposal is equal to the product of 500 multiplied by the number of Evaluators.
 9. Evaluators may investigate and discuss factual knowledge of Offeror's and proposed Subcontractors' prior work experience and performance, including projects referenced in proposal, available written evaluations, etcetera, and may contact listed references or

- b. For any past projects mentioned, describe how the specific experience is beneficial to this project, and provide the Owner's name, address, and telephone number. Additionally, provide the names, telephone numbers and email addresses of three (3) Owner's representatives who have administered or managed contracts with Offeror. Provide original and final contract amount. Do not include marketing information that is not relevant to this procurement.

3. Management Plan

Weight: 11

- a. Describe the methods and approaches Offeror intends to employ to accomplish the proposed work. Include a discussion of coordination of the design completion process and construction phase management. Offeror must demonstrate to the committee the credibility of its plan. Important to this criterion is the inclusion of a preliminary schedule in sufficient detail to demonstrate understanding of the overall process leading to delivery of the completed school and communicate it clearly to the evaluation committee.
- b. Include information on work that will likely be accomplished via subcontract vs. proposer's own forces.

4. Staff

Weight: 4

- a. Summarize how the proposer will staff and organize this particular project. Identify the persons who will be responsible for Preconstruction, Project Management, Construction and Field Superintendence and include a brief narrative of Offeror's organizational structure with clear description of the manner in which the work of this project will be managed within Offeror's organization, with specific attention to schedule control, subcontract administration, purchasing, and progress payment preparation, as well as management of the actual construction in the field. Resumes of one page or less are required for key project staff. Include three client references for key project staff. Include telephone and email contacts for references

5. Quality Control

Weight: 2

- a. Provide a summary of your firm's approach to quality control during construction. Include a description of the quality control organization you plan to employ and the authority assigned to the different level of quality control responsibility.

6. Value Engineering Process

Weight: 4

- a. Describe your value engineering process and how you work with the design team to help reduce construction and life cycle facility costs. Explain your method of

estimating the costs of construction during the design process before design documents are complete. Include examples.

7. Value Engineering Options

Weight: 5

- a. Identify options for modifications to the project as presented in the design documents that would result in significant cost savings to the District. Present and discuss proposed modifications, including anticipated cost savings without a compromise in functionality or durability. Contractors' cost proposals are to be based on the documents provided with this solicitation. Value Engineering modifications will be carefully considered following Board approval of award for inclusion in the project.

8. Current and Project Workload

Weight: 1

- a. What has been your annual volume (in dollars) of construction for the past five years? What is your anticipated volume for the current year? What is your plan for the next two years?

9. Preventive Maintenance

Weight: 5

- a. State Regulations (4AAC 31.013) require that for Districts to be eligible for state construction funding they must have an effective Preventive Maintenance program in place. This program includes a work order tracking system (NWABSD utilizes Maximo, a computerized PM system), an energy management plan, a custodial program that identifies the type of work and specific task for each building and a maintenance training program for custodians and maintenance personnel. Address activities by the project team that will contribute to an effective PM program for the School.

10. Price Quotation

Weight: 50

- a. The score for this criteria will be determined by applying the formula below and multiplying the result by the number of members of the evaluation committee

$$\text{Price Score} = \frac{\text{Lowest Proposed Price}}{\text{Proposed Price of Proposal Being Evaluation}} \times 250$$

1.10 BID GUARANTEE

- A. Each proposal shall be accompanied by a Bid Bond, with good and sufficient surety or sureties acceptable to the Owner. The Northwest Arctic Borough School District requires five percent (5%) of the total amount of the proposed price as a guarantee. Bid guarantees for the three (3) Offerors scoring highest in the selection process will be held until the

442-2246 by 1:30 p.m. Alaska Time of the tenth day after notice of Intent to Award. The protest must include the name of the person submitting the protest, the name of the Offeror represented by that person, the specific award which is being protested, and a detailed explanation of the reasons for the protest. The aggrieved Offeror must serve all other Offerors with its protest at the same time and manner its protest is filed with the Owner. Failure to protest to the Owner as provided herein constitutes a waiver of any objections to the contract award.

- D. Upon receipt of any protest, the Superintendent shall hear in open session the objection to the contract award. The successful Offeror shall be permitted the opportunity to rebut any contentions of the aggrieved Offeror.
- E. After consideration of the aggrieved Offeror's protest, the Superintendent may;
 - 1. Recommend to the Board the selection of the Contractor with a not to exceed price, including his reasons for rejection of the protest, or
 - 2. Recommend that the selection be awarded to some other Offeror,
 - 3. Stay any Selection to permit further consideration of the protest, with action to be scheduled as soon as practicable, but in no event more than twenty (20) days after the stay as initiated, or
 - 4. Recommend that the Board reject all proposals, or
 - 5. Recommend that the Board take such other action as appears appropriate and in the best interest of the Owner under the circumstances.

1.16 PERFORMANCE BOND AND PAYMENT BONDS

- A. The successful Offeror will be required to furnish a performance bond and payment bond each in the full amount of the Contract and to be maintained in force during the continuance of this Contract. The bond shall be in the form bound into these documents as Section 00620, and shall be for the faithful performance of this Contract in all respects, including but not limited to payments for all materials, labors, etc., and no contract shall be binding until the said bonds are furnished and approved by the Owner. No work may be commenced until the bonds have been approved by the Owner. All alterations, extensions of time, extra and additional work and other charges authorized by the Contract documents may be made without securing the consent of the surety or sureties of the Contract bond. Power of Attorney for the official signing the bonds for the surety company must be submitted with the bonds.

1.17 DEED COST FORMAT BUILDING SYSTEM ESTIMATE

- A. Based on the construction documents depicting the final design approved by the Owner, the successful Offeror shall prepare a detailed estimate using the Department of Education & Early Development's Cost Format building system estimate format. The estimate will have necessary supporting data for review and approval by the Owner. This may be in addition to other cost data required under this contract.

1.18 WARRANTY OF THE WORK

- A. Whether or not there appears here or elsewhere herein specific reference to guarantees of all items of material, equipment, or workmanship, they nevertheless shall be so guaranteed against defects for which the Contractor is responsible that may develop or become evident within a period of one (1) year from and after final acceptance of the work by the Owner. This guarantee shall be understood to imply prompt attention to any remedy of such defects as those mentioned above if and as they occur after the Contractor shall have written notice of their existence. If the defect, in the opinion of the Owner, is of such nature as to demand immediate repair, the Owner shall have the right to make them and the cost thereof shall be borne by the Offeror.

1.19 SUBCONTRACTORS

- A. All subcontractors proposed for the work must be acceptable to the Owner.
- B. The Owner reserves the right to request the proposed subcontractors complete qualification forms and/or current financial statements prepared by a Certified Public Accountant.

1.20 MINIMUM WAGE RATES

- A. Labor required for the construction of this project is subject to the minimum wage rates as provided in the Section 0810 – Supplementary Conditions.

1.21 NONDISCRIMINATION

- A. No Offeror on any District contract may discriminate on the basis of race, color, religion, national origin, ancestry, age, sex, marital status, handicap, or change in marital status in employment, provision of services or otherwise. All successful Offerors shall take affirmative action to insure such non-discrimination. All successful Offerors must agree to post in conspicuous places, available to employees and applicants for employment, notice setting forth the provisions of this non-discrimination section and this section shall be deemed to be a part of every contract entered into by the District under these policies.

1.22 INSPECTION AND LABORATORY TESTING

- A. Inspection and laboratory testing shall be provided as called for in the General Requirements and Technical Specifications. Tests and Inspection shall also include all

special inspections required per IBC - Section 1701 Special Inspections. The Contractor shall provide and pay for all inspection and testing.

1.23 PROGRESS PAYMENTS

- A. Monthly progress payments will generally be made to the Contractor by the Owner within thirty (30) days after approval of the Certificate of Payment by the Owner.
- B. At any time the Owner finds that satisfactory progress is not being made, it may retain a maximum amount equal to 10% of the total amount earned on all subsequent progress payments. This retainage may be released at such time as the Owner finds that satisfactory progress is being made.
- C. Local Hire Utilization Report for both the General Contractor and the first tier subcontractors will be submitted with all payments.

1.24 LIQUIDATED DAMAGES

- A. The completion of the work within the scheduled time is essential to the Owner's economic interests. The attention of Offerors is directed to the provisions of the General and Supplementary Conditions which establish the basis for liquidated damages to be paid to the Owner in the event that the work is not completed on schedule.

1.25 SUBSTITUTIONS

- A. The attention of Offerors and other interested parties is called to the conditions set forth in Section 01630 - Substitutions and Product Options, regarding approval and product options for substitutions.

1.26 ASBESTOS FREE MATERIALS

- A. The Offeror, by submitting a proposal on this project, thereby certifies and guarantees to the Northwest Arctic Borough School District that any products or materials sold, used or installed under the terms of this Contract will not contain any asbestos. In the event any such product is found to not conform to the above standards, Owner may reject the product and require correction or replacement at the Offeror's option and at the Offeror's expense.

1.27 OWNER'S RIGHT TO PERFORM WORK AND TO AWARD SEPARATE CONTRACTS

- A. The Owner reserves the right to perform other work at the project site(s) with his own forces, and to award separate contracts in connection with portions of other work on the site.

- B. The Contractor shall afford the Owner and separate contractors reasonable opportunity for the introduction and storage of materials and equipment and execution of their Work, and shall coordinate its Work with theirs as required by the Contract Documents.
- C. A pre-construction conference will be held with the Contractor, Owner's Representatives, and other contractors performing work at the project site, for the purpose of coordinating work in areas where more than one contractor may be working. The time of the meeting will be established by the Project Manager prior to the Contractor commencing his work. The Contractor shall submit a current schedule for its work to the Project Manager prior to the pre-construction conference.
- D. The Contractor shall attend additional coordination meetings, as requested by the Project Manager.

END OF SECTION 00100

Burkhart Croft Architects, LLC

SECTION 00300 – PROPOSAL FORM

This form and the Bid Bond must be sealed in an envelope separately from the responses to the selection criteria, and so identified. No transmittal letter or cover sheet shall be used.

PROJECT

Project Number: 542-01
Project Title: NOATAK K-12 REPLACEMENT SCHOOL

OFFEROR

Offeror: _____

Address: _____

City, State, Zip: _____

Alaska Business License Number: _____

Federal Tax Identification Number: _____

SPIN Number: _____

Individual(s) to Sign Contract: _____ Title: _____

Individual(s) to Sign Contract: _____ Title: _____

Type of business enterprise (check one): Corporation in the State of: _____

☐ Individual ☐ Partnership ☐ Other (specify): _____

BY SIGNING BELOW THE UNDERSIGNED:

- 1) AGREES TO COMPLETE ALL WORK UNDER THIS CONTRACT IN ACCORDANCE WITH THE PROJECT MANUAL. IT IS AGREED THIS BID SHALL NOT BE WITHDRAWN FOR A PERIOD OF 45 DAYS FROM THE DATE OF OPENING.
- 2) CERTIFIES OUR COMPANY MEETS OR EXCEEDS THE BIDDER QUALIFICATION AS OUTLINED IN THE INSTRUCTIONS TO BIDDERS.

Burkhart Croft Architects, LLC

ACKNOWLEDGMENT

I certify that I am a duly authorized representative of the firm listed above and that information and materials enclosed with this proposal accurately represent capabilities of the office(s) listed above for providing the services indicated. The District is hereby authorized to request any owner identified in this proposal to furnish any pertinent information deemed necessary to verify information provided or regarding reputation, performance and capabilities of the Offeror and subcontractors. I certify no member of the School Board or District employee, or spouse or other member of his/her household shall have any undisclosed interest as noted in paragraph 15 of Section 00100 entitled **Conflict of Interest**.

Signature: _____ Date: _____

Name: _____ Telephone: _____

Title: _____ Fax: _____

Firm: _____

ADDENDA ACKNOWLEDGMENT

The undersigned acknowledges receipt of the following addenda: (List by number and date of Addenda.)

Addendum Number	Date	Addendum Number	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

TIME OF COMPLETION

The undersigned agrees to complete all work under this contract within the specified dates set forth in Section 00100 – Instructions to Offerors,.

BID SECURITY

A bid bond in the amount of five percent (5%) of the total amount of the bid is attached in the sum of:

_____ Dollars (\$ _____)
(In Words) (In Numbers)

Burkhart Croft Architects, LLC

BANK REFERENCES

The following bank references are given:

Name of Bank: _____

Address: _____

Telephone: _____

Officer of Bank: _____

PROPOSED PRICE

BASE BID: Piling transportation and installation from gridline 1 to gridline 31 (including mechanical building), all civil work on and off-site, all electrical site work, new school facility from gridline 1 to gridline 19, mechanical building, and Universal Services from gridline 1 to gridline 19. Attach breakdown of costs on Proposal Form Attachment A.

_____ Dollars (\$) _____
(In Words) (In Numbers)

ALTERNATE NO. 1: Four classrooms from gridline 19 to gridline 23, and Universal Services from gridline 19 to gridline 23.

_____ Dollars (\$) _____
(In Words) (In Numbers)

ALTERNATE NO. 2: Four classrooms from gridline 23 to gridline 28, Universal Service from gridline 23 to 28, play deck from gridline 28 to gridline 31, and relocation of playground equipment from existing school.

_____ Dollars (\$) _____
(In Words) (In Numbers)

NOTE: Alternate No. 1 will be awarded prior to the award of Alternate No. 2.

Burkhart Croft Architects, LLC

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PROPOSAL FORM

ITEMIZED COSTS

Provide cost for itemized work items below. These costs shall be included in appropriate Base Bid or Alternate prices above, and are summarized for informational purposes only – they will not be used in the scoring evaluation:

Cost of Piling installation included in Base Bid (including material, equipment, and crew mobilization), from gridline 1 to gridline 31 (including mechanical building):

_____ Dollars (\$) _____
(In Words) (In Numbers)

Cost of Universal Services included in Base Bid:

_____ Dollars (\$) _____
(In Words) (In Numbers)

Cost of Universal Services included in Alternate No. 1:

_____ Dollars (\$) _____
(In Words) (In Numbers)

Cost of Universal Services included in Alternate No. 2:

_____ Dollars (\$) _____
(In Words) (In Numbers)

PROPOSALS FOR OPTIONAL ITEMS

OPTION 1: Provide a water mist fire protection system complying with NFPA 750 (including concealed space coverage required in NFPA 13), in lieu of the fire protection system specified.

_____ Dollars (\$) _____
(In Words) (In Numbers)

OPTION 2: Provide CPT-1 floor finish in all building corridors, in lieu of scheduled material.

_____ Dollars (\$) _____
(In Words) (In Numbers)

OPTION 3: Provide maple wood gym floor finish, in lieu of scheduled material.

_____ Dollars (\$) _____
(In Words) (In Numbers)

PROPOSAL FORM A – DEED COST FORMAT LEVEL II

The Total Proposed Price below must equal the total proposed price for the Base Bid above.

	CATEGORY	ESTIMATE
01	SITE	
02	SUBSTRUCTURE	
03	SUPERSTRUCTURE	
04	EXTERIOR CLOSURE	
05	ROOF SYSTEMS	
06	INTERIORS	
07	CONVEYORS	
08	MECHANICAL	
09	ELECTRICAL	
10	EQUIPMENT AND FURNISHINGS	
11	SPECIAL CONDITIONS	
12	GENERAL CONDITIONS	
13	DESIGN & ENGINEERING	
14	CONTINGENCIES	
	SUBTOTAL:	
	TOTAL PROPOSED PRICE:	

END OF SECTION 00300

CONTRACT

Memo of Agreement No. 27-063

Date of MOA: 2/5/07

Board Memo: 07-086 Jan.30,2007

NAME AND ADDRESS OF CONTRACTOR:

UIC-Construction, LLC

Check appropriate box:

☐ Sole Proprietorship

☐ Partnership

☒ Incorporated in the
State of Alaska

☐ Joint Venture

OWNER: NORTHWEST ARCTIC BOROUGH SCHOOL DISTRICT, KOTZEBUE ALASKA

ARCHITECT: Burkhardt Croft Architects

Contract for (Work to be Performed)

Noatak K-12 Replacement School, RFP #542.01

Amount of Contract (Express in words and figures):

Six hundred,ninety five thousand and no/hundreds dollars \$695,000.00

(In words)

(In Numbers)

Statement of Work: The Contractor shall furnish all professional services, labor, equipment and materials and perform the work described below for the amount stated in strict accordance with the Contract Documents, all of which are made a part of this contract and designated as follows:

The telecommunications portion of the Noatak K-12 Replacement School Project 542.01 to include work described in Technical Specifications Volume III Division 16 and sheets E5.1 through E 5.5 of the plans. Video Distribution System as described in Addendum 2.

BCA Project No. 0513.03

NWABSD Project No. 542.01

CONTRACT DOCUMENTS

1. Volume I General and Administrative Requirements
2. Volume II and III Technical Specifications
3. Any and all Addenda issued.
4. Memorandum of Agreement No. _____

PROJECT SCHEDULE

1. Work shall be started in accordance with Notice to Proceed.
2. Time being of the essence, work shall be completed: as identified in Technical Specifications Volume I Division 00200 Preliminary Network
3. Substantial Completion: as identified in 00200 Preliminary Network
4. Final Completion: as identified in 00200 Preliminary Network

IN WITNESS WHEREOF, the parties hereto have executed this contract as of this date entered on the first page hereof.

NORTHWEST ARCTIC BOROUGH SCHOOL DISTRICT CONTRACTOR

Norman Eck 2/5/07
Dr. Norman Eck, Ph.D., Superintendent Date

Kathy Christy 2/3/07
Kathy Christy Date
Capital Project Manager

Harlan Harmon 2/5/07
Harlan Harmon
Director Administrative Services

(Name of Contractor)

Jim (SEAL) 2-5-07
(Signature) Date

Attest: David Stealing 2/5/07
(Secretary) Date

Account Codes:
542.008,885,000.521

BCA Project No. 0513.03

NWABSD Project No. 542.01

SECTION 16710 – TELECOMMUNICATION DISTRIBUTION

PART 1 - GENERAL

1.1 SUMMARY

- A. The intent of this Specification is to place in working order a complete, fully tested and documented telecommunication cabling system consisting of both Category 5e copper and fiber optic cabling complying with the Codes and Standards referenced herein. In addition, horizontal voice cabling and patch capabilities will be provided for the operation of the owner installed telephone system.
- B. Section includes backboards, pathways, cabinets, racks, termination devices, outlets, and premises wiring to install a structured Category 5e rated telecommunication cabling system.
- C. Related Sections:
 - 1. Section 16060 - Grounding and Bonding.
 - 2. Section 16070 - Electrical Hangars and Supports.
 - 3. Section 16075 - Electrical Identification.
 - 4. Section 16123 - Building Wire and Cable.
 - 5. Section 16130 - Raceway and Boxes.
 - 6. Section 16133 - Cable Trays.
 - 7. Section 16141 - Floor Boxes.

1.2 REFERENCE CODES AND STANDARDS

- A. Design, manufacture, test, and install telecommunications cabling networks per manufacturer's requirements and in accordance with NFPA-70 (National Electrical Code), state codes, local codes, requirements of authorities having jurisdiction, and particularly the following standards:
 - 1. ANSI/TIA/EIA-568-B – Addendum 1, Draft 10
 - 2. ANSI/TIA/EIA-568-B.1 - General Cabling System Requirements
 - 3. ANSI/TIA/EIA-568-B.2 - Balanced Twisted-Pair Cabling Components
 - 4. ANSI/TIA/EIA-568-B.3 - Optical Fiber Cabling Components Standard
 - 5. ANSI/TIA/EIA-569-A - Commercial Building Standard for Telecommunications Pathways and spaces
 - 6. ANSI/TIA/EIA-606 - Administration Standard for the Telecommunications Infrastructure of Commercial Buildings.
 - 7. ANSI/TIA/EIA-607 - Commercial Building Grounding and Bonding Requirements for Telecommunications
 - 8. Install cabling in accordance with the most recent edition of BICSI publications:
 - a. BICSI - Telecommunications Distribution Methods Manual.
 - b. BICSI - Cabling Installation Manual.

1.3 SYSTEM DESCRIPTION

- A. Provide the equipment, materials, and labor to install the systems shown on the drawings and specified herein. This shall include (but not be limited to) provision of all trenching and backfill, raceways, sleeves, boxes, gutters, shelves, enclosures, shelf and enclosure supports, backboards, equipment racks, line and low voltage wire and cable, patch cords, pull ropes (in unused conduits), terminal modules, panels, outlets, jacks, splices, connections, cable management, labeling, testing and all other material, equipment, and labor required to make the systems fully operational.
- B. Service entrance from telecommunications utility company.
 - 1. Telecommunications Utility Company: XXX
 - 2. Service Entrance Pathway: Empty raceways with pull rope from point of Telephone Utility connection at property line to building service terminal backboard in telecommunication closet.
- C. Backbone Pathway: Conform to EIA/TIA requirements using fiber cable in innerduct and copper cable, routed in continuous pathway support, J-hooks and conduit sleeves.
- D. Horizontal Pathway: Conform to EIA/TIA requirements, using raceway, continuous pathway support, J-hooks and conduit sleeves.
- E. Backbone Cabling:
 - 1. Data: Complete system of optical fiber backbone cable system from main distribution frame to intermediate distribution frame with all terminations installed in Fiber Connector Housing Units.
 - 2. Voice: Complete system of multi-conductor pair UTP cable from main distribution frame to telecommunication intermediate distribution frame location.
- F. Horizontal Cabling: Complete structured cabling system star topology from patch panels to station outlets using unshielded twisted pair (UTP) horizontal cables.

1.4 SUBMITTALS

- A. Division 1 - Submittals: Submittal procedures.
 - 1. Manufacturer's Catalog Data shall be submitted for the following items. Data shall include a complete list of parts, special tools, and supplies with current unit prices and source of supply.
 - a. UTP Copper Cable.
 - b. UTP Telecommunications Jacks and Faceplates.
 - c. UTP Modular Patch Panel.
 - d. UTP Patch Cables.
 - e. Fiber Cable.
 - f. Fiber Connectors.
 - g. Fiber Connector Housings and Panels.

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TELECOMMUNICATION DISTRIBUTION

- h. Equipment Racks.
 - i. Cable Management Panels.
 - j. Cable Organizers.
 - k. UTP and Fiber Telecommunications Cable Tester.
 - l. Ladder Racking
 - m. Terminal Modules
 - n. Rack Mounted UPS Device
- B. Labeling System: Coordinate with Contracting Agency for Owner's labeling conventions. Submit Project labeling system for approval. Where room numbers are employed in identification scheme, use room numbers as listed in final room sign schedule.
- C. Quality Assurance Plan: Contractor shall prepare a quality assurance plan which provides a detailed outline of all testing to be accomplished. Quality assurance plan shall include, as a minimum, a schedule of when tests will be performed relative to installation milestones, specific test procedures that will be used, a list of test equipment that will be used including manufacturer, model number, calibration certification, range and resolution accuracy. Test plan shall be submitted to the Owner for approval at least 30 days prior to the start of testing.
- D. Shop Drawings shall include dimensioned layout of equipment rooms and telecommunication closets, including backboards, patch panels, grounding terminal bus bars, ladder racking, equipment, etc. Layouts shall coordinate with lighting fixtures, HVAC equipment, etc., which affect room layouts.
- E. Shop Drawings shall include dimensioned layout of major pathways, including j-hooks, sleeves, cable trays, conduits 2" and larger and location of firewall penetrations.
- F. Shop drawings shall include riser style diagram of all backbone wiring and terminations and typical horizontal wiring and termination for owner review and approval.
- G. Shop drawings shall include labeling documentation.

1.5 CLOSEOUT SUBMITTALS

- A. Division 1 – Contract Closeout: Closeout procedures.
- B. Project Record Documents: Record actual locations and sizes of pathways and outlets. Include all test report. Provide floor plan with identification of all outlets. Provide 1/16" scale (minimum) laminated floor plan with accurate identification of all outlets served by respective closet in each closet, including a single line representation of the network system.

1.6 WORKMANSHIP

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TELECOMMUNICATION DISTRIBUTION

- A. Components of the system shall be installed in a neat, workmanlike manner. Wiring color codes shall be strictly observed and terminations shall be uniform throughout the system. Identification markings and systems shall be uniform. TIA/EIA 568B wiring codes as shown on the drawings shall standardize all wiring
- B. Install materials and equipment in accordance with applicable standards, codes, requirements, and recommendations of national, state, and local authorities having jurisdiction, and National Electrical Code® (NEC) and with manufacturer's printed instructions

1.7 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Installer: Specialty telecommunication system contractor primarily engaged in installing products specified in this section with minimum three years documented experience. Installer shall be certified by manufacture of cabling and termination equipment to be installed. Contractor shall include listing of at least three projects of equivalent scope and size, including date of project completion, location of project, and point of contact or reference for each specific project.
- C. Testing Agency: Specialty telecommunication system contractor specializing in testing products specified in this section with minimum three years documented experience.

1.8 COORDINATION

- A. The necessity to coordinate this work with the Owner and the Contracting Agency is emphasized. The Contractor shall be responsible for any omissions, delays and additional cost due to lack of coordination or approval from the same.
- B. Coordinate all work with lighting, power, ventilation, sprinklers and other systems in the communication rooms to avoid interferences.
- C. Coordinate with the utility company for all requirements of service installation.

1.9 TERMINOLOGY

- A. Backbone Cables - Copper or optical fiber cables connecting main cross-connect facilities or intermediate cross-connect facilities.
- B. Cable Management – Troughs, gutters, management panels, etc., mounted in conjunction with telecommunications distribution equipment and terminal blocks, for the routing of cables and patch cords in a neat and workmanlike manner.

- C. Data – Generic term for Structured Telecommunication Distribution System cabling and hardware infrastructure internal and external to a building or buildings used to transmit voice and data, etc.
- D. Horizontal Cables –Cables connecting patch panels or terminal blocks in the Telecommunications Rooms to the outlet jacks.
- E. Jacks or Ports - Female mechanical termination device for horizontal cables.
- F. LEC - Local Exchange Carrier Serving Utility.
- G. Outlets - Device plate that contains jacks or ports.
- H. Patch Panels – Rack mounted connecting hardware to connect horizontal or backbone cables to an arrangement of fixed connectors using patch cords or to form cross or interconnections.
- I. Pathways-refers to conduits, sleeves, cabletrays, distribution rings, etc., which are employed to route backbone and horizontal cables between telecommunication rooms, outlets, etc. for placement, support, and protection of the telecommunication cables.
- J. Rack – Mounting frame to support telecommunication equipment, patch panels, etc.
- K. Telecommunications Rooms (TR) – Space for housing telecommunications equipment, cable terminations and cross-connect wiring.
- L. Terminal Blocks - Multiple punch down cable terminations.

1.10 ACCEPTABLE MANUFACTURERS

- A. Provide products of manufacturers as named in individual articles
 1. Submittals to be approved by Engineer and NWABSD project manager, before installation.
 2. Where no manufacturer is specified, provide products of manufacturers in compliance with requirements.
 3. Any item of equipment or material not specifically addressed on the drawings or in this document and required to provide a complete installation shall be provided in a level of quality consistent with other specified items.
 4. Provide products that are suitable for intended use, including, but not limited to environmental, regulatory, and electrical requirements.
- B. Structured cabling system will include copper cable, fiber cable, termination jacks, outlets, patch panels, patch cords, fiber connection panels, and connecting hardware. Provide all equipment from one of the following list of approved manufacturers structured systems: KRONE, Ortronics/Berk-tek, AVAYA Technologies (Lucent).

PART 2 - PRODUCTS

2.1 UNSHIELDED TWISTED PAIR STATION CABLING

- A. Horizontal Cable and Copper Backbone Cable: Plenum rated, Category 5e, four pair, 24 AWG twisted copper conductors, 350 Megahertz Cable.
1. KRONE #TN5ETP-***02 Plenum Rated.
 2. Berk-tek LANmark 350 CMP Plenum Rated.
 3. AVAYA #2061 Plenum Rated.

2.2 STATION HARDWARE

- A. Jacks: Flush mount, 8 pin, 568-B pairing convention with faceplates or connectors. Numbered ports.
1. KRONE "K600" #6467-1-081-10 T568A/B.
 2. Ortronics "TracJack" #OR-63750001 T568A/B
 3. AVAYA #MPS100E-246 T568B.
- B. Faceplates: White, match faceplate jack count as shown on drawings. Use of blanks is discouraged.
1. KRONE #6644-1-154-02.
 2. Ortronics "TracJack" # OR-40300546 or EP01-067-01
 3. AVAYA #M14L-246.
- C. Icons and Labels:
1. KRONE included in the faceplate.
 2. Ortronics #OR4030920x; Numbered icons - must be glued in place (x = jack ID, i.e. 1,2,3,4). Numbered icons not required custom numbered faceplate.
 3. AVAYA included in the faceplate.

2.3 PATCH PANELS

- A. Data Patch Panels: 48 Port Category 5e. Install the number of patch panels in each equipment rack as required to terminate all UTP cables at the rack plus twenty five (25) percent spare capacity. Horizontal cable management shall be provided for each patch panels without integrated horizontal cable management.
1. KRONE "Enhanced Patch Panel" 6653-1-466-48.
 2. Ortronics #OR-851004038 '2RMS'
 3. AVAYA "Patchmax" PM2150PSE-48 with integral horizontal management.

2.4 PATCH CORDS

- A. Patch Panel Patch Cords: Provide one round seven foot long, Category 5e rated, blue, four pair, 24 AWG twisted stranded copper conductors for each terminated patch panel port. Deliver patch cords to Owner at project site.

1. KRONE "TruePatch" #TP5ETA-WT07.
2. Ortronics #OR-836GT8007DE06.
3. AVAYA #D8CM-IV7.

- B. Station Outlet Patch Cords: Provide one round nine foot long (ten foot for Lucent and Krone), Category 5e rated blue 24 AWG twisted stranded copper pair conductors for each terminated station outlet jack plus 25% additional cables for future expansion or replacement cables.

1. KRONE "TruePatch" #TP5ETA-WT10.
2. Ortronics #OR-836GT8009DE06.
3. AVAYA #D8CM-IV10.

2.5 COPPER BACKBONE CABLE (VOICE BACKBONE)

- A. Copper Voice Backbone Cable: Plenum rated, Category 3 compliant, copper 24 AWG, multi-pair cable units. (xx + pair count, as indicated on the drawings).
1. KRONE #VXVxx24-1902.
 2. Berk-Tek # 230xxx.
 3. AVAYA #2010xxxBWH.

2.6 OPTICAL FIBER BACKBONE CABLE

- A. Optical Fiber Cable: Plenum Rated, tight-buffered multi-mode, dual window graded index optical glass fiber cable with fiber counts as denoted on the drawings.

Fiber Dimension:

- Core: 62.5 micron.
- Cladding: 125 micron.
- Coating: 250 micron.
- Buffering: 900 micron.

Cable Minimum Bending Radius:

- During Installation: 20 times outside cable diameter.
- After Installation: 10 times outside cable diameter.

1. KRONE #6xx-PTS-CB-62S/SL (xx = fiber count denoted on the plans).
2. Berk-tek GigaLite #PDP0xx-GB3510/25 (xx = fiber count as denoted on the plans).
3. AVAYA "OptiSPEED" #ABC-)xxD-LPX (xx = fiber count as denoted on the plans).

- B. Number of fiber shall be two strands to each telecommunication closet receiving 1 to 22 new horizontal cable terminations, plus 4 additional spare strands. An additional two strands of fiber shall be added for every additional 22 new horizontal cables terminated in the respective telecommunication closet. Fiber connector: SC type connector, Non metal

2.7 OPTICAL FIBER CONNECTOR HOUSING

- A. Optical Fiber Connector Housing: High Density, front and rear accessible, 19 inch rack mountable, pull out shelf with cable retainers and fiber storage drums. Unit to have clear polycarbonate protective cover with fiber optic cable Duplex SC couplings.
 - 1. KRONE #RMG1-24-SCDMML.
 - 2. Ortronics #OR-615MMC-36P-00./ OR-615SCDSM3-L
 - 3. AVAYA #600B2/ 12SC1 Duplex EW

2.8 OPTICAL FIBER CONNECTORS

- A. Optical Fiber Connectors: Field installable Type SC with ceramic ferrule and provide maximum 0.3 dB insertion loss.
 - 1. KRONE / Corning #95-100-16.
 - 2. Ortronics/Corning #95-100-16.
 - 3. AVAYA #P6201A-Z-126.

2.9 TERMINATION BACKBOARDS

- A. Material: Fire retardant Plywood
- B. Size: As required, 5/8" inch thick minimum, Grade AC or better
- C. Finish: Paint to match adjacent walls.

2.10 FLOOR MOUNTED TELECOMMUNICATION EQUIPMENT RACKS

- A. Open Frame Floor Mounted Equipment Racks: Extruded aluminum 6061-T6, open frame, 19 inch EIA width equipment rack, 7 foot overall height (unless noted otherwise on prints) with flange base, mounting rails drilled front and back and tapped to EIA standards, 40+ RMS minimum, clear finish. Install ground bus on rack near the bottom as shown on the drawings and as specified in Section 16060 – Grounding. Install power strip on rack near the bottom, as shown on the drawings. Provide seismic bracing as required by Section 16070 Electrical Hangars and Supports. Seismic support must consist of rigid supports and not use cables or chains.
 - 1. Chatsworth Products 46353-503 or approved equal with rack-mounted ground bar.

2.11 WALL MOUNTED TELECOMMUNICATION RACKS

- A. Open Frame Wall Mounted Equipment Racks: Aluminum, 35" (20 mounting space) usable mounting height, gate opens 180 degrees, fully wall mountable, 150 pound load capacity, dual locking latches, integral cable management, clear finish. Install ground bus on rack near the bottom as shown on the drawings and as specified in Section 16060 - Grounding. Install power strip on rack near the bottom as shown on the drawings. Provide seismic bracing as required by Section 16070 - Electrical Hangars and Supports.
 - 1. Chatsworth Products 11348-519 or approved equal with rack mounted ground bar.

2.12 HORIZONTAL CABLE MANAGEMENT

- A. For the Berk-Tek/Ortronics and Krone structured cabling system, install horizontal cable management panels in the equipment rack. Unless otherwise noted on the drawings, install one cable management panel between each patch panel and below the last patch panel.
 - 1. Floor Racks: Ortronics # OR-60400057 or approved equal
 - 2. Wall Racks: Ortronics #OR-808004410 or approved equal

2.13 VERTICAL CABLE MANAGEMENT

- A. Vertical Cable Management: Double sided narrow vertical section 7 feet high by 3.65 inches wide by 12.75 inches deep. Provide vertical cable management on each side of all racks installed with one vertical cable management between multiple adjacent racks.
 - 1. Chatsworth Products #12096-503.

2.14 RACK EQUIPMENT SHELF

- A. Rack Equipment Shelf: 19 inch wide heavy duty 20 inch deep and mounting hardware.
 - 1. Chatsworth Products #11164-519.

2.15 POWER PROTECTION STRIP

- A. Power Protection Strip: Rack mounted UL 1449 330/400 clamping voltage, twelve on/off switch controlled 3 prong 120 Volt outlets with 12 foot cord. Unit protects Normal/Common Modes: 33,000/26,000 Peak Milliamps, 50-60 dB. Provide one power protection strip mounted on each installed rack.
 - 1. Leviton #5500-192.
 - 2.

2.16 EXTRA MATERIALS:

- A. Furnish to the Owner the following spares.
 - 1. Five (5) percent of each type of UTP telecommunications jacks.
 - 2. Five (5) percent of each type of telecommunications faceplates.
 - 3. If number icons are utilized provide ten (10) percent of each identification icon for each number designation (1 thru 4) on the faceplate.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install pathways in accordance with EIA/TIA 569.
- B. Install wire and cable in accordance with EIA/TIA 568.

- C. Install termination backboards and racks plumb, and attach securely to building wall at each corner.
- D. Provide color coding of all systems equipment in compliance with the Standards outlined in ANSI/EIA/TIA 606.
- E. Install polyethylene pulling string in each empty conduit over 10 feet in length or containing a bend.
- F. Provide engraved plastic nameplates under the provisions of Section 16075. identify all backboards and cabinets.
- G. Ground and bond pathways, cable shields, cable tray and equipment under all the provisions of Section 16060.
- H. Provide patch cord connections between all termination hardware to provide a complete and functional system.
- I. All cables shall be routed in such a way as to minimize EMI and RFI interference. Cables shall be routed to maintain the following minimum distances from disturbance sources as indicated below:
 - 1. Unshielded power lines or electrical equipment in proximity to open telecommunication systems: 5 inches.
 - 2. Unshielded power lines or electrical equipment in proximity to enclosed telecommunication systems: 2.5 inches.
 - 3. Enclosed power lines or electrical equipment rated at 2.5kVA or greater in proximity to open telecommunication systems: 24 inches.
 - 4. Enclosed power lines or electrical equipment rated at 2.5kVA or greater in proximity to enclosed telecommunication systems: 6 inches.
 - 5. Distance from fluorescent or HID lighting fixtures: 6 inches
- J. All open wiring shall be plenum rated. Plenum rated cables may be run exposed in cable tray or above accessible ceiling above classrooms and offices support by suitable cable rings or fasteners. Concealed cabling, such as in walls, above hard ceilings, and through soffits shall be installed in conduit.

3.2 FIELD QUALITY CONTROL

- A. Division 1 - Quality Controls and Contract Closeout.
- B. Inspect and test optical fiber cables in accordance with NETA ATS, except Section 4. Perform inspections and tests listed in NETA ATS, Section 7.25.
- C. Inspect and test copper cables and terminations in accordance with EIA/TIA 568-A-5, Category 5e.

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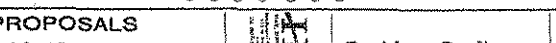
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TELECOMMUNICATION DISTRIBUTION

- D. Submit test reports for approval. All equipment not meeting the requirements of these testing standards shall be brought into compliance and retested prior to final acceptance.

END OF SECTION

NO

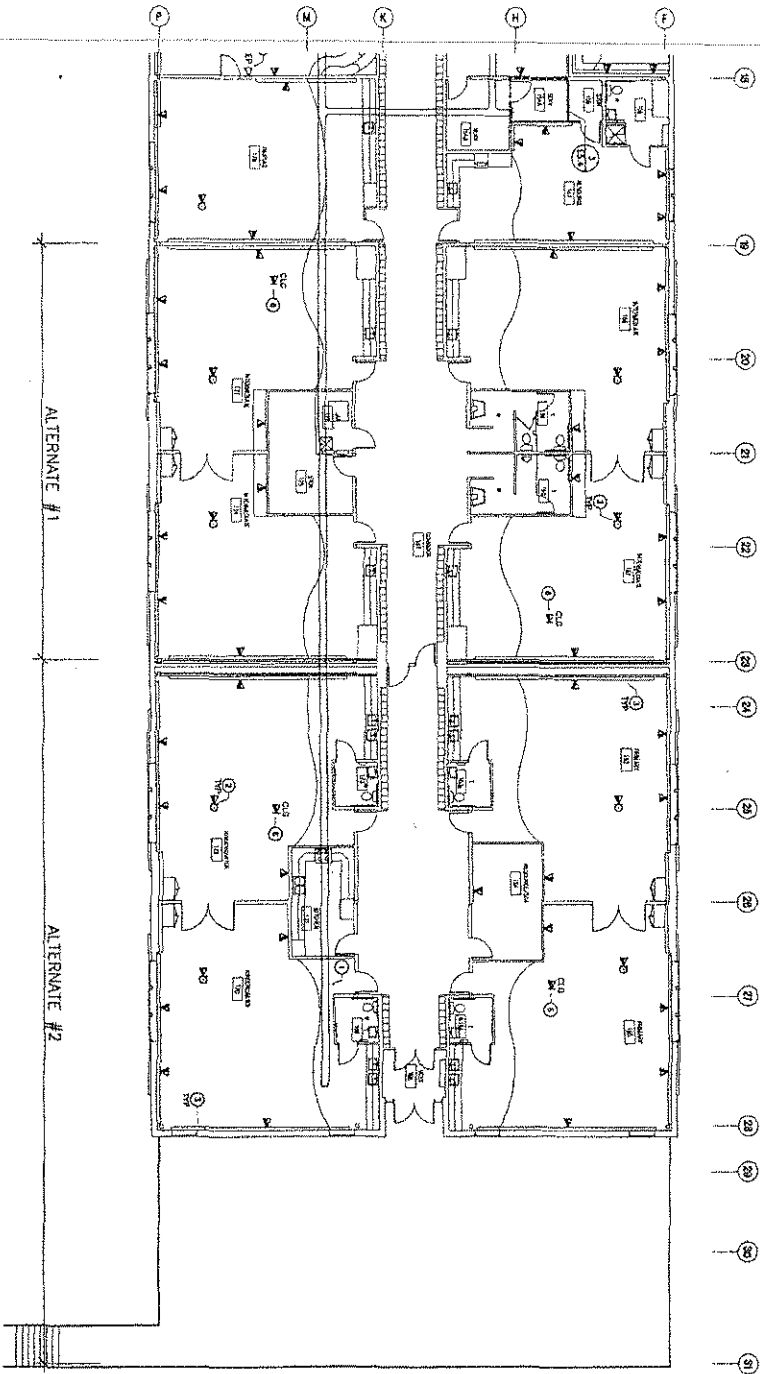
See the introduction to the *Journal of Management Inquiry* for more information.



Group 4: Agriculture, 1990

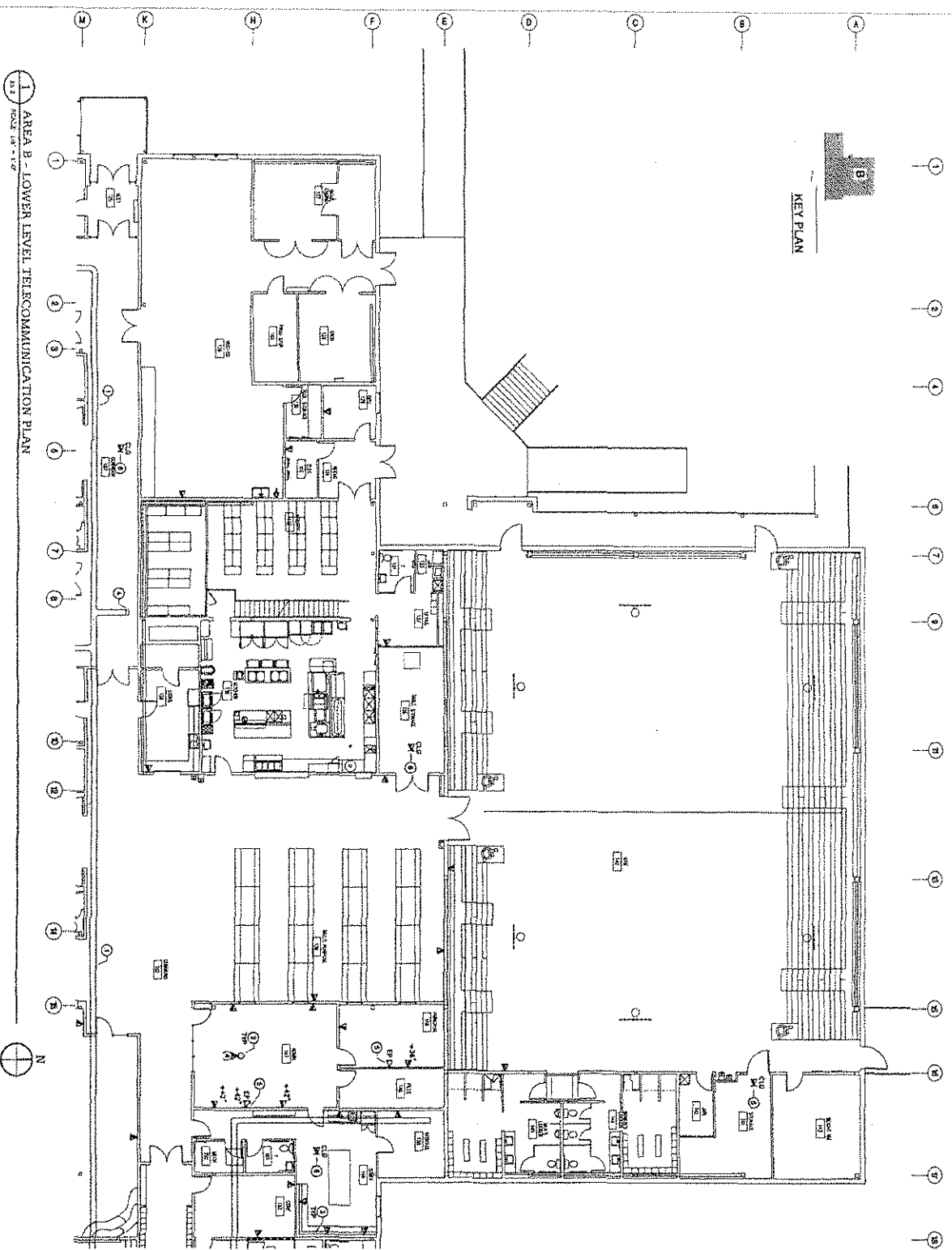
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1 AREA C - LOWER LEVEL TELECOMMUNICATION PLAN
 E5.3 SCALE 1/8" = 1'-0"

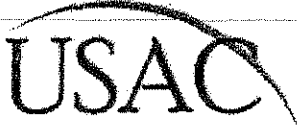


KEY PLAN





1 AREA B - LOWER LEVEL TELECOMMUNICATION PLAN
SCALE: 1/8" = 1'-0"



Universal Service Administrative Company
Schools & Libraries Division

Administrator's Decision on Appeal – Funding Year 2007-2008

April 09, 2012

Anthony White
E-Rate Central
400 Post Avenue, Suite 410
Westbury, NY 11590

Re: Applicant Name: NORTHWEST ARCTIC BORO SCH DIST
Billed Entity Number: 145645
Form 471 Application Number: 569600
Funding Request Number(s): 1572016
Decision Letter Date: May 13, 2009
Date Appeal Postmarked: March 27, 2012
Your Correspondence Dated: March 27, 2012

Our records show that your appeal was postmarked more than 60 days after the date your Form 486 Notification Letter was issued, as shown above. Federal Communications Commission (FCC) rules require applicants to postmark appeals within 60 days of the date on the decision letter being appealed. FCC rules do not permit the Universal Service Administrative Company (USAC) to consider your appeal.

If you believe there is a basis for further examination of your application, you may file an appeal with the FCC. You should refer to CC Docket No. 02-6 on the first page of your appeal to the FCC. Your appeal must be POSTMARKED within 60 days of the above date on this letter. Failure to meet this requirement will result in automatic dismissal of your appeal. If you are submitting your appeal via United States Postal Service, send to: FCC, Office of the Secretary, 445 12th Street SW, Washington, DC 20554. Further information and options for filing an appeal directly with the FCC can be found in the "Appeals Procedure" posted in the Reference Area of the SLD section of the USAC website or by contacting the Client Service Bureau. We strongly recommend that you use the electronic filing options.

Schools and Libraries Division
Universal Service Administrative Company

Karl Kowalski
Northwest Arctic Boro Sch Dist
P.O. Box 51
Kotzebue, AK 99752-0051

Billed Entity Number: 145645
Form 471 Application Number: 569600
Form 486 Application Number: